

ABSTRACT

A thermal apparatus includes a wrap adapted to be secured to the body surface of a user. At least one temperature sensor is mounted to the wrap to measure an actual temperature of the body surface, and at least one thermoelectric device is mounted to the wrap to selectively deliver heat to and remove heat from the body surface. The thermal apparatus further includes a control unit mountable to the wrap. The control unit receives the actual temperature of the body surface from the temperature sensor and communicates with the thermoelectric device to operate the thermoelectric device as one of a heater and a cooler, thereby achieving a desired temperature of the body surface.

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